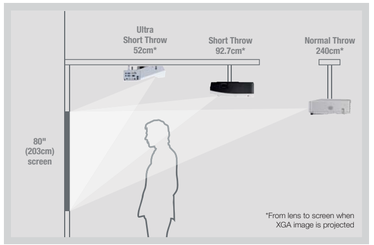
What is Ultra Short Throw?

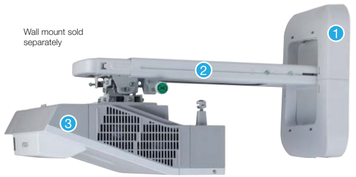
An Ultra Short Throw projector isn't only about throw distance; it's a combination of features that make it stand out from ordinary short throw projectors. Extremely short throw distances often result in distorted and poor image quality, but not the Ultra Short Throw. Hitachi's Ultra Short Throw projector achieves the optimum balance between throw distance and image quality.

- **Ultra in picture quality**
- **Ultra in installation**
- **Ultra in connectivity**
- **Ultra in flexibility**
- **Ultra in performance features**



Easy installation and adjustment

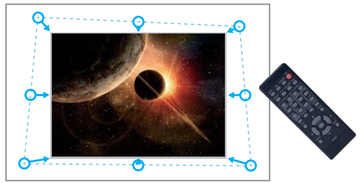
The wall mount ensures that the projector can be installed in exactly the right position. The entire unit slides horizontally and fine adjustments can be made to each axis independently.



1. Fix wall plate to wall.
2. Fit boom to wall plate.
3. Slide projector (with bracket attached) on to boom arm.

Easy remote control installation and adjustment

Hitachi innovations extend to installation and operation features that ensure quick, easy and flexible setup. The powered focus and zoom and the eight point Perfect Fit function, all of which can be operated via the remote control, to enable rapid installation but also easy post-installation adjustment of settings.

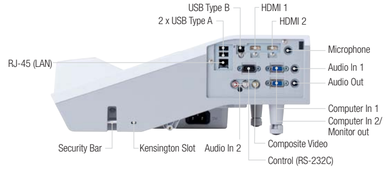


Versatile connectivity

These projectors provide a wealth of connectivity options. You can connect a variety of devices, to support all your projection needs. From DVD players and PCs to a wireless network, a Local Area Network or a simple mouse connection, Hitachi has done everything possible to ensure easy versatile connections that make your projector do more for you.

2 x HDMI input

HDMI provides completely digital connections, ensuring that lessons and presentations can be delivered with the highest image quality.



Technical specifications

MODEL	CP-AX2503	CP-AX3003	CP-AX3503	CP-AW2503	CP-AW3003	CP-TW2503	CP-TW3003
OPTICAL							
Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Brightness (Lumens)	2700 (Normal)1800 (Eco)	3300 (Normal)/2200 (Eco)	3600 (Normal)/2400 (Eco)	2700 (Normal)/1800 (Eco)	3300 (Normal)/2200 (Eco)	2700 (Normal)/1800 (Eco)	3300 (Normal)/2200 (Eco)
Contrast ratio	5000:1						
Lens	Powered focus, Digital zoom x 1.35						
Lamp life (hours)	3000 (Normal)/5000 (Eco)	2500 (Normal)/4000 (Eco)	2500 (Normal)/4000 (Eco)	2500 (Normal)/4000 (Eco)	2500 (Normal)/4000 (Eco)	2500 (Normal)/4000 (Eco)	2500 (Normal)/4000 (Eco)
Focus distance (from front of projector)	0.103m–0.463m			0.126m–0.41m			
Distance to width ratio (:1)	0.3 (fixed)						
Diagonal display size	60"–100" (152cm–254cm)						
Keystone	Fixed 7.7–:1 Upward Shift			Fixed 4.6–:1 Upward Shift			
COMPATIBILITY							
Computer	XGA			WXGA			
Composite/S-Video	NTSC, PAL, SECAM, PAL-M/N, PAL (60Hz), NTSC4.43						
Component Video/HDMI	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz						
FEATURES							
Speaker	16W						
Image	Picture modes (DICOM simulation, photo), HDCR (High Dynamic Contrast Range), Accentualizer technology						
Audio	Standby Audio, Audio pass through						
Network	Projector Control, Screen Transfer, New Network Setting OST, Infrastructure Mode (Wireless LAN), Adhoc Mode (Wireless LAN), PJLink™, email (SMTP), Schedule (SNTP), SNMP Management (SNMP), My Image, Messenger, Campus notification system, Network bridge, AMX Device Discovery, Crestron™ RoomView®, Projector web control						
Security systems	Password/My Screen Password, PIN lock, Key lock						
Installation	Keystone vertical/horizontal, Perfect Fit (corner fit), Perfect Fit memory						
Eco	Saver mode, Intelligent eco mode, ImageCare™, Filter cleaning cycle						
Optional accessories support	TB-1 tablet, Hong he tablet, Hong he IWB connection, MS-1/MS-1WL control						
Other	Auto altitude mode, Altitude (up to 10,000ft), Cloning function						
INTERACTIVE FEATURES							
Interactive system	–					Sensor type: IR camera, Pen type: IR pen	
Calibration	–					Auto calibration, Storage location of calibration information on projector, Up to 4 pen/touch finger write (option), Multi display IWB, PC less interactive, Windows 8 multi touch operation with up to 4 pen/touch (option)	
SOFTWARE							
PC software	–					LiveViewer for Win (ver.6.21), LiveViewer for Mac (ver.1.02.1024), Projector Management Application (ver.7.18), Projector Control Application (ver.4.13), Projector Image	
Interactive software	–					I-Pro interactive software, Hitachi StarBoard™ software	
Smart device apps	–					Tool (ver.3.2), Projector Messenger Tool (ver.1.5) Projector Quick Connection (for iOS & Android)	
CONNECTIONS							
Digital input	2 x HDMI						
Computer input	2 x 15-pin Mini D-sub						
Monitor output	1 x 15-pin Mini D-sub						
Video input	1 x RCA composite						
Audio input	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone						
Audio output	1 x stereo mini jack						
USB	2 x type A (PC-less presentation or wireless adapter), 1 x type B (USB display or USB mouse control)						
Control	1 x 9-pin D-sub for RS-232C control						
Wired network	1 x RJ-45						
Wireless network	Optional wireless adapter required						
POWER							
Power supply	100-120V/220-240V, auto switching						
Power consumption/standby	320W/<0.3W (AC 220-240V)			350W/<0.35W (AC 220-240V)			
PHYSICAL							
Dimensions (W x H x D)	377 x 136 x 360mm (excluding lens and feet)						
Weight	4.5Kg					<4.5Kg	
Noise level	28dB (Eco)/34dB (Normal)					29dB (Eco)/36dB (Normal)	
Ambient temperature	Operating 0°C–40°C/-35°C–40°C Eco Mode						
Air filter	Hybrid (up to 4000 hours)						
ACCESSORIES SUPPLIED							
	Remote control with batteries (HL03033), RGB cable, Power cord, Cable cover, Interactive pen x 2, USB wireless adapter cover, Manual CD, Application CD, Hitachi StarBoard™ software CD, User manual (concise), Wall mount (HAS-WM03)						
OPTIONAL ACCESSORIES							
Remote control	R020F						
Replacement lamp/lamp Wattage	DT01511/225W UHP			DT01411/250W UHP			
Filter	UX37191						
Finger touch unit	–					HP03781	
USB wireless adapter	USB-WL-11N						
Table top mount	TT-03						
Ceiling mount	HAS-203L, HAS-WA100						
Interactive pen	–					HL03061	
WARRANTY							
Projector/Lamp	3 Years/3 Years***		3 Years/6 Months**			3 Years/3 Years***	3 Years/6 Months**

HITACHI DIGITAL MEDIA, Hitachi Europe Ltd, Whitebrook Park, Lower Cookham Road, Maidenhead, Berkshire SL6 8YA UNITED KINGDOM
Tel: +44 (0)1628 585 000 Fax: +44 (0)1628 585 163 www.hitachidigitalmedia.com

*The stated lamp and filter life refers to the average life expected in ideal operating conditions with usage in accordance with the manual. The majority of, but not all lamps and filters should achieve this figure. **Where a lamp falls within warranty and a replacement lamp is taken, the warranty for the replacement lamp will be a maximum of 6 months (dependent on warranty hours stated). ***Where a lamp falls within warranty and a replacement lamp is taken, the warranty for the replacement lamp will be a maximum of 3 years (dependent on warranty hours stated). HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. AMX and the AMX logo, and Device Discovery are all registered trademarks of AMX. Crestron® and RoomView™ are registered trademarks or trademark of Crestron Electronics, Inc. iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. The specification above and photography is for reference only and may be subject to change.

03/14

CP-AX2503 CP-AX3003 CP-AX3503 CP-AW2503
CP-AW3003 CP-TW2503 CP-TW3003

JUST • PROJECTORS
Freephone 0800 027 7785 / 01189 070703

Ultra Short Throw
LCD Projectors

Follow us:
@HitachiAV

The ideal solution for any education or corporate environment

I can tell the time.
On a digital clock -
the first 2 numbers tell the
hour, the next 2 numbers tell
the minutes past the hour.
At ... o'clock - the big minute hand points up
to 12, and the small hour hand points to the
hour.
At 1/2 past - the minute hand is on 6 and the
hour hand has moved 1/2 way towards the
next hour.
I know there
60 minutes i
The big hand
round the cl
ds in a minute and
hand and it goes

Compatible with
Projector Quick Connection App
Available on the App Store

www.hitachidigitalmedia.com

HITACHI
Inspire the Next

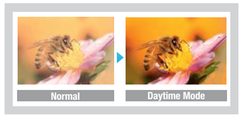
Hitachi Ultra Short Throw projectors help you get the most out of your lessons or presentations.

Ultra Short LCD projectors that combine exceptional image quality and advanced features in a class-leading light, compact design that incorporates a fixed mirror. This range of Ultra Short Throw projectors offer exceptional usability and easy access to powerful features.

Ultra picture quality with 5000:1 high contrast ratio

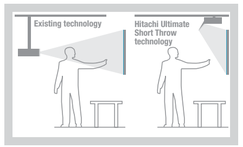
Perfect Fit

The enhanced Hitachi Perfect Fit now incorporates eight point adjustment which includes all four corners and sides. This intuitive feature helps make correcting complicated or geometric distortions caused by imperfections in screen flatness as quick as possible.



Daytime Mode

Projected images may sometimes be difficult to see under bright lighting. The Daytime Mode uses image quality correction technology to counter the effects of light, ensuring clear, vivid images.

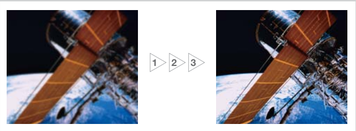


No glare or shadows

Traditional projectors dazzle people, Hitachi's unique Ultra Short Throw Technology means if you stand in front of the projector the light beam won't shine in your eyes.

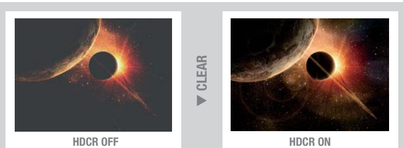
Accentualizer

Hitachi original technology makes pictures look more real by enhancing (1) Sharpness, (2) Gloss and (3) Shade to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings, so that the colours of projected images are true to life, by simply using one button on the remote control.



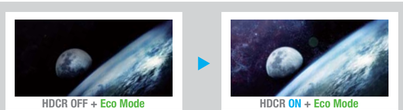
HDCR (High Dynamic Contrast Range)

When average projectors are used in bright rooms, the darker colours of an image deteriorate and the image becomes less clear. Using HDCR, blurred images caused by room lighting or outside light sources are corrected and an effect similar to increasing contrast occurs. This result is a clear image even in bright rooms. This is done by simply using one button on the remote control.



HDCR + Eco Mode

Turning HDCR ON and activating Eco Mode achieves a brightness with a look and feel close to Normal Mode while suppressing lamp brightness to the Eco Mode level and cutting electricity consumption up to approx. 30%. This results in clear images even at Normal mode.



Ultra performance features

Compatible with Hitachi Solution products

All new Ultra Short Throw models are fully compatible with our innovative Hitachi Solution products*, which enhance interactivity, simplify installation and easily accommodate multiple devices with complex connections. With 2 USB type A inputs both the optional wireless adapter and one of our Solution products can be used simultaneously.

*Compatible Solution products include: Wireless Multifunctional Switcher/Scaler MS-1WL. For further information and specifications please refer to our website www.hitachidigitalmedia.com.

Interactive features (CP-TW2503 and CP-TW3003 only)

Multiple interactive pens

With up to 4 interactive pens pupils can do more than just watch – they can interact with the on-screen content. Let them enjoy providing answers, showing their understanding and becoming involved in lessons as never before.

Multi screen

For larger applications, two projectors can be combined via a single PC for continuous drawing over extended screens.

Windows 8 multi touch

Windows 8 multi touch allow users with touch-enabled Windows 8 systems to operate the PC directly from the interactive screen with up to 4 Pens/Touch (optional) including Win8 gesture.

Hands on learning

The CP-TW2503 and CP-TW3003 incorporates sensors (sold separately) that detect finger touch activity on the screen area. Together with industry leading Hitachi Starboard software, it allows users to annotate and interact with the material presented. Instead of simply showing static images, students and teachers can interact with on screen material as never before, for hands-on interactivity that brings learning to life. Finger touch interactivity is an optional extra at any time even after purchase.

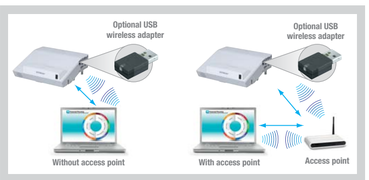
Auto calibration

Auto calibration is completed in 6 seconds with one button press on the remote control.

PC less drawing

PC less IWB mode, allows users to draw directly onto a picture from a document camera and other devices. There are many photographs and templates stored within the projector, allowing users to draw directly onto pictures and templates without connecting a PC. There are 3 ways to use the interactive projectors. Either PC less or using the included I-Pro Interactive software or with the included StarBoard™ Software.

Ultra wireless connectivity



Wireless capability and network functionality

Hitachi's range of Ultra Short Throw projectors allow you to connect to your wireless network, letting you run lessons or presentations wirelessly from your laptop. The USB wireless adapter enables the projector and computer to communicate both directly or via a wireless network infrastructure. The optional USB wireless adapter supports all IEEE802.11b/g/n networks, and simply slots into place.

Smart Device Control

Plugging the USB wireless adapter into the projector and using our 'Projector Quick Connection' application, projectors can be controlled from a tablet or smartphone.

*Our 'Projector Quick Connection' application can be downloaded from the App Store℠. iPad® application launch date planned for August 2012 and iPhone®/iPod touch® application launch planned for October 2012. Available using the following file formats: jpg, bmp, png, gif, PDF, Excel®, Word®, PowerPoint®, Keynote®, Numbers®, Pages® and Web pages. A USB wireless adaptor must be used.

Ultra network functions

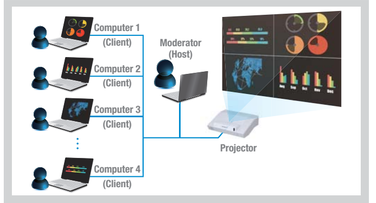
The Ultra Short Throw range offers flexible networking capabilities. Administrators can conveniently schedule a variety of actions for multiple projectors on the network, including automatic Power On/Off and Centralised Reporting. The clever messenger function also allows messages to be sent to multiple projectors instantly or at a specified time.

Crestron RoomView™ Software

RoomView™ software provides a custom configurable interface to monitor, manage and control every device in every room remotely from any computer. RoomView Connected™ Projector Support Projectors with Crestron inside already connect directly to RoomView Express software. Built-in network connectivity provides instant status and remote technical support so your class or meeting is never interrupted. Broadcast messaging ensures a safe environment. Instructors can schedule all the projectors throughout the facility to turn off at the end of the day, saving energy and preserving lamps.

Network presentations

You can project still or moving images from one or more networked computers. The single PC mode lets you select one computer on the network, while the multi PC mode lets you use up to four computers.



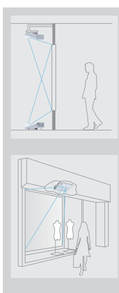
Moderator Control Mode

The moderator controls up to 50 computers (Clients) and can select which computer is projected, up to 4.

* Moderator Control Mode supports LiveViewer 6 (Windows application) only.

Ultra flexibility

The Ultra Short Throw projectors are easy to install and flexible to use. With the wall mount and optional table top mount you can transform any existing whiteboard, wall or table top into a projected surface.

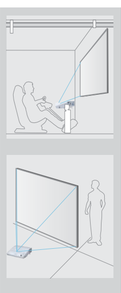


False/high ceilings

Rooms with awkward ceilings – the Ultra Short Throw projectors can be wall mounted, therefore problems relating to large voids above suspended ceilings are a thing of the past.

Shop window

Ultra Short Throw Technology opens up a world of new possibilities in retail and digital signage applications. From shop window installations to maps in airport lounges, images can be projected on to surfaces that were never thought possible.



Entertainment

Get closer to the action than ever. Create an immersive experience by projecting large screens for gaming and videos with no shadowing effects.

Rear projection

Ideal for rear projection due to the short throw distance, resulting in a clean and compact space-saving installation.